

MATERIAL SAFETY DATA SHEET

Green Dolphin Systems Corp.

Citrus Disinfectant

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Citrus Disinfectant (252) Not WHMIS regulated. **PRODUCT USE:** Cleaner and disinfectant for hard surfaces

MANUFACTURER: Green Dolphin Systems Corp. **MANUFACTURER:** Green Dolphin Systems Corp. (USA)

ADDRESS: 26 Voyager Court South Toronto, Ontario M9W 5M7 **ADDRESS:** 4856 Victor St. Ste A Jacksonville, Florida 32207

EMERGENCY : 613.996.6666 (CANUTEC) **EMERGENCY #:**

SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	Exposure Limits	LD50/150
n-Alkyl Dimethyl Benzyl Ammonium Chlorides	CSA8001-54-5	3 - 7	(TWAEV) = 1ppm or 1.8mg/m ³	LD50(oral, rat) 330 mg/kg, LC50 (dermal, rabbit) 1182 mg/kg
Alkyl Phenol Ethoxylate	9016-45-9	3 - 7	N/AV	LD50 (dermal, rat) = 2830 mg/kg
Sodium Carbonate	497-19-8	1 - 5	None	LD50 (oral, rat) = 3000 mg/kg

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry: Skin, Eye, Ingestion

Potential Health Effects

Eye Contact: May cause irritation to eyes

Skin Contact: May cause irritation.

Ingestion: May cause nausea, and vomiting if ingested.

SECTION IV: FIRST AID MEASURES

Eye Contact: Immediately flush with water for 15 minutes. If irritation persists, repeat flushing and obtain medical attention immediately.

Skin Contact : Wash with soap and water

Inhalation: N/A

Ingestion: DO NOT INDUCE VOMITING. Get medical attention.

SECTION V: FIRE FIGHTING MEASURES

Flammability: Non flammable

Flash Point deg (C,TCC) : N/AP

Means of Extinction: As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam

Special Fire Hazards: No special procedure necessary.

Autoignition temperature: Not applicable.

Flame propagation or burning rate of solid: Not applicable.

Sensitivity to static discharge: Not applicable

Unusual Fire and Explosion Hazards. None expected.

Hazardous decomposition products: N/AP

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SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Waste Procedures: Flush with water. Dispose according to local regulations.

SECTION VII: HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in ambient temperature in a sealed container.

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Protective gloves.
Eye Protection: Goggles – avoid contact of materials with eyes
Respiratory Protection: Not normally required.
Other Protective Equipment: General
Engineering Controls: General ventilation normally required.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	100	Specific Gravity (H₂O = 1):	1.0 – 1.1	Freezing Point	0°C
% Volatile (Wt%):	82%	Solubility in water:	Complete	pH (as supplied):	11.5 – 11.9
Physical State:	Liquid	Evaporation Rate:	N/AV		
Appearance / Odour:	Citrus odor, yellow, slightly viscous				

SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: CO, CO₂

SECTION XI: TOXICOLOGICAL INFORMATION

There is no test data on this product. Based on the composition of this product, this product may cause irritation to the eyes and skin upon contact.

SECTION XII: DISPOSAL CONSIDERATIONS

Dispose of in accordance to all local, provincial/state and federal regulations.

SECTION XIII: TRANSPORTATION

T.D.G. Classification: Not regulated
D.O.T. Classification: Not regulated

SECTION XIV: REGULATORY INFORMATION

Occupational Health and Safety Regulations:
WHMIS Class:
OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard and Canadian WHMIS regulations
Environmental Regulatory Lists:

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SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372	None of these ingredients are listed.
CERCLA – Section 102 (Reportable Quantity) 40 CFR 302	None of the ingredients are listed
RCRA 40 CFR 261 (Subpart D)	None of the ingredients are listed
CLEAN WATER ACT – Section 311 (Reportable Qty) 40 CFR 116:	None of these ingredients are listed
CLEAN AIR ACT – Section 312 (List of Hazardous Pollutants) 40 CFR 63 (Subpart C)	None of these ingredients are listed
National Pollutant Release Inventory	None of these ingredients are listed
Toxic Substances Control Act (TSCA)	All ingredients are registered on the Chemical Substances Inventory.
Canadian Domestic Substance List (DSL):	All ingredients are registered on the DSL

SECTION XVI: OTHER INFORMATION

Date:	March 1, 2008	Prepared By:	Green Dolphin Systems	Telephone:	416 679 0707
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Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material; have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST on Montreal, Quebec (514-873-3990).